

**NOTE:** If you own a 1985 or later model, first check the Supplement at the back of the book for any new service information.

## CHAPTER EIGHT

# STEERING, SUSPENSION AND FRAME

This chapter describes repair and maintenance of the front and rear wheels, front forks, steering components and rear axle.

Refer to **Table 1** for torque specifications for both the front and rear suspension components. **Table 1** and **Table 2** are located at the end of this chapter.

### FRONT WHEEL

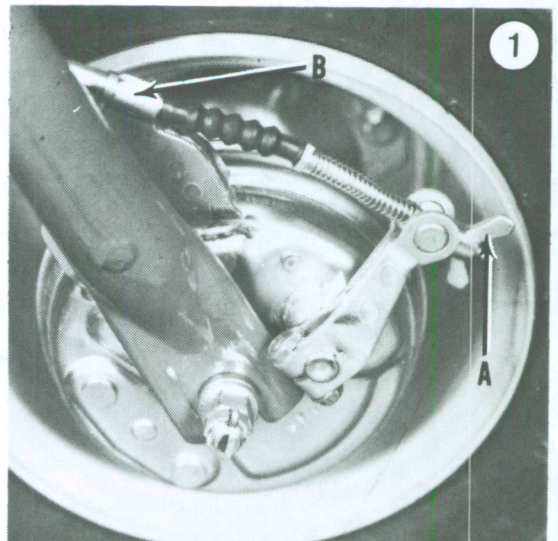
#### Removal/Installation

1. Place the ATC on level ground and set the parking brake. Block the rear wheels so the vehicle will not roll in either direction.
2. Jack up the front of the vehicle with a small hydraulic jack or place wood blocks under the engine. If a small jack is used, perform the following:
  - a. Place the jack either under the frame or the engine crankcase.
  - b. Place a piece of wood between the jack and the engine crankcase if this location is used.
  - c. Apply just enough jack pressure to take any weight off the front wheel.
3. On models equipped with a front brake, perform the following:
  - a. Completely unscrew the front brake cable adjusting nut (A, **Figure 1**).
  - b. Withdraw the brake cable from the pivot pin in the brake lever.
  - c. Remove the brake cable from the receptacle on the brake panel (B, **Figure 1**).
- 4A. On ATC70 models, remove the cotter pin and axle nut on the left-hand side.

#### NOTE

*The 1970-1974 ATC90 models are also equipped with a lockwasher between the axle nut and the collar on each end. Remove the lockwasher after the axle nut is removed.*

- 4B. On all other models, remove the cotter pin and axle nut (**Figure 2**) on either the right-hand or the left-hand side.
5. On the side from which the nut was removed, slide the collar (**Figure 3**) off the axle.
6. Withdraw the front axle from the wheel and the fork legs.



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